

**AMENDMENTS TO THE ABSTRACT**

Please delete the section headings at page 53, lines 3 and 4.

Please replace the abstract paragraphs at page 53, at lines 6 - 23 with the following rewritten paragraphs:

~~-- To identify the type and distillation properties for light oils having various compositions different from each other in distillation properties in an accurate and rapid manner.~~

~~MEANS FOR SOLUTION:~~

Apparatus and method for identifying type and distillation properties of light oil. A pulse voltage is applied for a predetermined period of time to a liquid type identification sensor heater comprising a heater and an identification liquid temperature sensor provided in the vicinity of the heater; the light oil to be identified is heated by the heater; and the liquid type is identified with a voltage output difference  $V_0$ , corresponding to a temperature difference between the initial temperature and the peak temperature of the identification liquid temperature sensor. --